t s3/7/2,3,8,10

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DIALOG(R)File 347:JAPIO

06736487 **Image available**
AUTOMATIC MONITORING SYSTEM FOR INPUT AND OUTPUT PERFORMANCE

PUB. NO.: 2000-322334 [JP 2000322334 A]
PUBLISHED: November 24, 2000 (20001124)
INVENTOR(s): SHIRASAKA MASAHIRO
APPLICANT(s): NEC SOFT LTD
APPL. NO.: 11-132408 [JP 99132408]
FILED: May 13, 1999 (19990513)

ABSTRACT

PROBLEM TO BE SOLVED: To provide an automatic monitoring system for input and output performance surely and early monitoring the deterioration of the input and output performance of an input and output device.

SOLUTION: In this automatic monitoring system for input and output performance, the *estimated* *maximum* number of input and output competition, *maximum* *length* of transmission *data*, and performance monitor interval value are stored in a main *storage* device 20 by an inputting means 11 of information specific to a system, and input and output execution with the *maximum* input and output *data* *length* to a real device and *estimated* input and output performance upper limit *calculation* is operated by an input and output time sampling means 12, and the load of each input and output path is averaged by an input and output load distribution controlling means 13, and the accumulating totals of the necessary input and output time of each input and output path and the number of times of executed input and output are stored into the device 20 by an input and output statistical information obtaining means 14, and an abnormal part is specified from an input and output performance upper limit value by an input and output performance monitoring means 15, and the path of the abnormal part is closed at the time of the invalidity of use by a device re-constituting means 16, and the fault contents and fault parts are communicated to a fault phenomenon communicating means 17.

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DIALOG(R)File 347:JAPIO

06673699 **Image available**
RESPONSE RETURNING METHOD FOR COMMUNICATION PROTOCOL, AND COMMUNICATION CONTROLLER

PUB. NO.: 2000-259525 [JP 2000259525 A]
PUBLISHED: September 22, 2000 (20000922)
INVENTOR(s): MATSUZONO MASAYA
APPLICANT(s): NEC CORP
APPL. NO.: 11-064077 [JP 9964077]

FILED: March 10, 1999 (19990310)

ABSTRACT

PROBLEM TO BE SOLVED: To prevent the degradation of a communication performance by performing the return of acknowledgement(ACK) at suitable timing.

SOLUTION: In the case of starting communication between respective communication end points 110A and 110B of computer systems 100A and 100B, a *buffer* *size* reporting part 120A (120B) reports the *maximum* capacity of a transmission/ reception *buffer* 112A (112B) to the computer system 100B (100A). A *buffer* *size* receiving part 121B (121A) stores the reported *maximum* capacity in a *buffer* *size* *storage* part 11B (111A). An ACK return timing *calculating* part 140B (140A) discriminates whether the amount of data stored in the transmission/reception buffer 112B (112A) satisfies a prescribed ratio to the maximum capacity of the transmission/reception buffer 112B (112A) or maximum capacity of the transmission/reception buffer 112A (112B) or not or whether it is after the lapse of prescribed time from the last ACK return or not.

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DIALOG(R)File 347:JAPIO

05924650 **Image available**
COMPUTER SYSTEM FOR CHANGING *STORAGE* FORM OF EXTERNAL *STORAGE*

PUB. NO.: 10-207750 [JP 10207750 A]
PUBLISHED: August 07, 1998 (19980807)
INVENTOR(s): TAKAHASHI TOMOKO
NUKUI YOSHIYUKI
TAKAGUCHI YUKIO
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 09-007391 [JP 977391]
FILED: January 20, 1997 (19970120)

ABSTRACT

PROBLEM TO BE SOLVED: To unnecessitate the interruption of any help in changing a *storage* form in a computer system having external *storage* in which plural *data* *storage* forms can be set according to the *maximum* *size* of a user record which can be recorded in each *track* of a *storage* medium.

SOLUTION: An external data input program 141 inputs the user identifier and equipment form of input data 161. A *storage* form judging program 142 converts the equipment form into the classification of a *storage* format. A *storage* format change managing program 144 registers the user identifier, the *storage* format, and the priority in a *storage* form change management table 145, and selects a user whose priority is the highest, and requests the change of the *storage* form to a controller 151. When the requested *storage* form is different from the present *storage* form, a *storage* form changing program 152 sets it to the requested